

# **Bridging Partnerships Small Business Symposium**

Matt McCormick – Richland Operations Office Manager Stacy Charboneau – Office of River Protection Deputy Manager

#### **Hanford Cleanup Overview**

#### **Three Components**

- River Corridor
- Central Plateau
- Tank Waste



#### **Two DOE Offices**

- Richland Operations Office
- Office of River Protection





### Workforce/Economics

- 10,300 total DOE and contractor employees
- Hanford Budget is about \$2.2 billion per year
- Budget outlook
  - Continued need for cleanup at current funding levels for the foreseeable future
  - Cleanup mission continues to 2050 2060
- Richland Operations Office, the Office River Protection and our prime contractors reported \$815 million of small business awards in fiscal year 2011
- Outlook for fiscal year 2012 small business awards will be similar



### **Hanford Cleanup Scope**





#### **Hanford Prime Contracts**



River Corridor Closure RCC



Plateau Remediation Contract PRC



Mission Support Contract MSC



Bechtel National Inc. BNI



Washington River Protection Solutions WRPS

Facility demolition, waste site remediation, operation of disposal facility

Facility and waste site cleanup, groundwater remediation, and waste disposal

Cost-effective infrastructure and site services to support the cleanup mission

Design, Construction, and Commissioning of the Waste Treatment Plant Monitor, manage 177 underground storage tanks; prepare for and provide waste to the Waste Treatment Plant

Awarded in 2005 for 10 years
Cost: \$2.3 Billion

Subcontracting Goal: At least 65 percent of work Awarded in 2008 for 5 years, with 5 option years
Cost: \$5.1 Billion

Subcontracting Goal: 49.3 percent

Awarded in 2008 for 5 years, with 5 option years

Cost: \$3 Billion

Subcontracting Goal: 50 percent

Current Total
Estimated
Contract Price is:
\$11.2B

Subcontracting Goal: 40.4 percent

Awarded in 2008 for 5 years, with 5 option years

Cost: \$6.8 Billion

Subcontracting

Goal: 58.2 percent



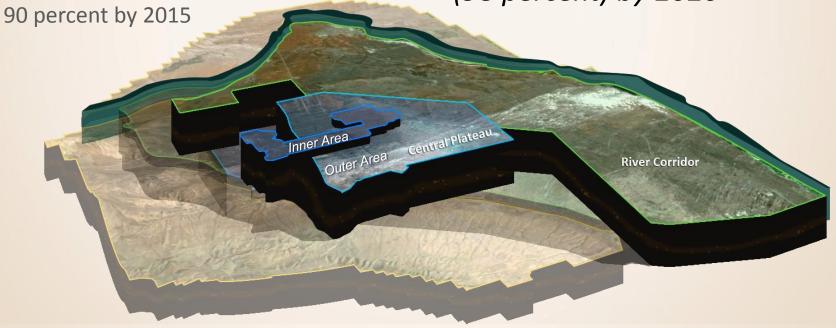
# DOE Vision – Shrinking the Cleanup Footprint

#### **Footprint reduction goals:**

- 49 percent in 2011
  - 66 percent complete to date

70 percent by 2012

Shrink to the extent practical from 586 square miles to about 10 square miles (98 percent) by 2020





# Scope of Work: Richland Operations Office Contractors



Deactivate, decontaminate, decommission and demolish facilities



Maintain Hanford Site infrastructure and find operating efficiencies



Retrieve, treat, ship, dispose of contaminated soil and waste



Monitor and treat groundwater



## **River Corridor Work Scope**





Treat, transport and dispose of waste debris at Hanford's disposal facility (12.5 million tons disposed to date)



### River Corridor Work Scope



## Place Reactors in Interim Safe Storage

- 5 completed to date
- 1 nearly complete (N Reactor), 1 underway (K East Reactor), 1 remaining (K West)
- B Reactor: National Historic Landmark





#### **Central Plateau Project Scope**

Facility, Waste Site and Canyon Remediation

Remediate 5 processing canyons, over 900 facilities and more than 800 waste sites



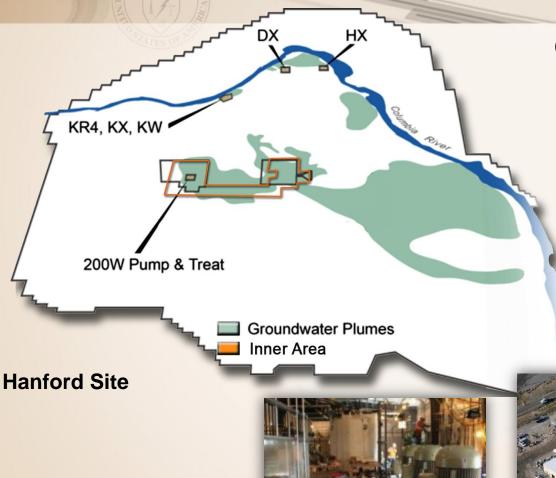
#### **Central Plateau Work Scope**



- Retrieve over 5,400 cubic meters of transuranic waste
- Treat over 130 million gallons of liquid waste annually
- Manage 2,300 metric tons of spent nuclear fuel
- Manage interim storage of 1,936 cesium and strontium capsules



#### **Central Plateau Work Scope**



#### **Groundwater Remediation**

- Address 12 plumes with 10 major contaminants, encompassing approximately 65 square miles
- Operate treatment facilities to remove contamination



## Scope of Work: Office of River Protection Contractors



Manage and monitor the 177 underground storage tanks containing 56 million gallons of radioactive and chemical waste



Retrieve and provide waste to the Waste Treatment Plant



Design, construct and commission the Waste Treatment Plant to immobilize the tank waste



## **Tank Farms Work Scope**



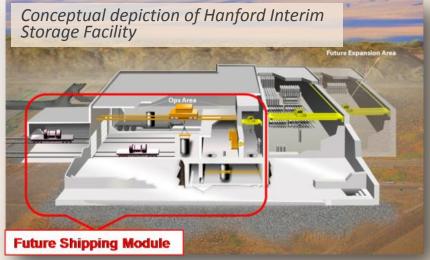


### **Tank Farms Work Scope**

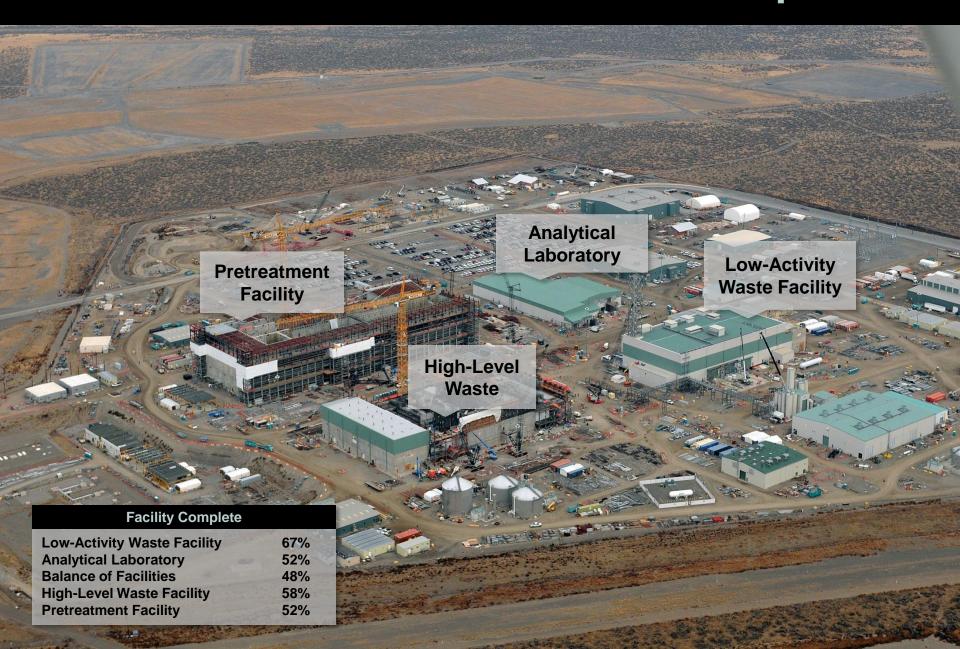
Supplemental Treatment







#### **Waste Treatment Plant is 64% Complete**



## WTP Work Scope

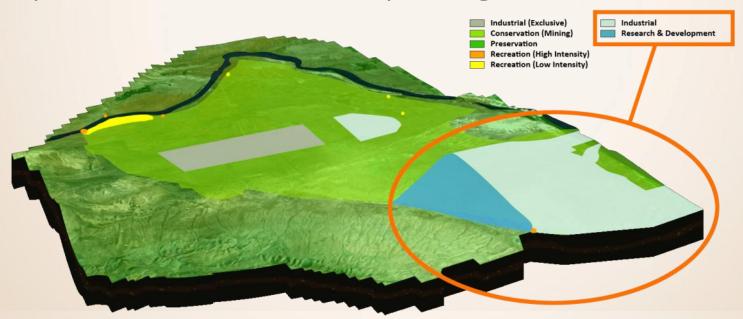
- Large Scaled Integrated Testing (LSIT)
- Complete Low Activity Waste Facility (LAW), Analytical Laboratory (LBL), and Balance of Facilities (BOF)





#### **Future Use of the Hanford Site**

- A natural progression of cleanup is making the land available for beneficial use
- DOE has a land use management plan that lays out the future land use (Comprehensive Land Use Plan) – Environmental Impact Statement and Corresponding Record of Decision





#### **Find Out More**

## **Go to**www.hanford.gov

#### to learn about

- The latest news on Hanford cleanup
- Hanford newsletters
- Contractors' small business opportunities
- Hanford social media sites
- Public events



